

## ABSTRACT

A hearing aid with a test controller for detection of a defect in the signal path of the hearing aid is provided. The test controller controls a test signal generator and a probe means for determination of a signal parameter, such as signal level, frequency spectrum, phase  
5 characteristic, auto-correlation, cross-correlation, etc. A set of signal switches controlled by the test controller is provided for connecting a desired test signal generator or a desired probe means to a desired point in the signal path for testing of a desired part of the hearing aid. Further signal switches are provided for coupling hearing aid components into and out of the signal path of the hearing aid.